

New Jersey," after the conclusion of which the author, in answer to a query by Mr. Williams as to whether he could suggest any other name for the Newark group, stated that Montgomery shales would be more suitable, because the beds occur more fully and have been studied more thoroughly in Montgomery county (Pennsylvania) than in any other like district; but that the beds are probably of two various ages to be properly called by a single name.

New nominations Nos. 1260, 1261, 1262, 1263, 1264 were read.

Mr. Williams moved "that a Committee of five members be appointed to consider a plan for preparing a Coöperative Index of all Transactions."

After discussion, the motion was deferred until the next meeting of the Society, notice of same to be placed on the card, and the Society was adjourned by the presiding member.

Stated Meeting, October 6, 1893.

President FRALEY in the Chair.

Correspondence was submitted as follows:

A letter from Hon. Charles P. Daly, New York, accepting membership.

A letter from the Naturhistorische Verein der Preussischen Rheinlande, Westfalens und des Regierungs-Bezirks Osnabrück, Bonn, Prussia, inviting the Society to attend the celebration of its Fiftieth Anniversary, held May 23 and 24, 1893.

A letter from the Niederrheinische Gesellschaft für Natur- und Heilkunde, Bonn, Prussia, inviting the Society to attend the celebration of its Seventy-fifth Anniversary, held July 2, 1893.

Letters of envoy were received from the K. Akademie der Wissenschaften, Vienna, Austria; Naturforschende Gesellschaft, Bamberg, Bavaria; K. Geologische Landesanstalt und

Bergakademie, K. P. Meteorologische Institut, Berlin, Prussia ; Verein für Schlesische Insektenkunde, Breslau, Prussia ; K. Sächsische Gesellschaft der Wissenschaften, Leipzig, Saxony ; Verein für Vaterländische Naturkunde, Stuttgart, Württemberg ; Société des Sciences Physiques et Naturelles, Bordeaux, France ; Musée Guimet, Paris, France ; Smithsonian Institution, Washington, D. C. ; Mr. William John Potts, Camden, N. J. ; Academy of Natural Sciences, Davenport, Iowa ; Dirección General de Estadística de la República Mexicana, Mexico.

Letters of acknowledgment were received from the Royal Society of Victoria, Melbourne (139) ; Royal Society of N. S. Wales, Sydney, Australia (139) ; K. Vetenskaps Akademiens, Stockholm, Sweden (141) ; Royal Society of Sciences, Upsal, Sweden (140) ; K. Danske Videnskabernes Selskab, Prof. Japetus Steenstrup, Copenhagen, Denmark (139, 140) ; Royal Zoölogical Society, Amsterdam, Netherlands (139) ; K. Zoolisch-Botanische Genootschap, The Hague, Z. Holland (139, 140) ; Imperial Academy of Science, St. Petersburg, Russia (139) ; K. K. Naturhistorische Hofmuseum, Drs. Aristides Brezina, Friederich S. Krauss, Matthæus Much, Vienna, Austria (140) ; Naturforschende Gesellschaft des Osterlandes, Altenberg, Saxe-Weimar (140) ; Deutsche Geologische Gesellschaft (139, 140), Editor of *Naturwissenschaftliche Wochenschrift* (140), Gesellschaft für Erdkunde (140), Berlin, Prussia ; Verein für Erdkunde, Dresden, Saxony (140) ; Physikalisch-Medicinische Societät, Erlangen, Bavaria (139, 140) ; Oberhessische Gessellschaft für Natur- und Heilkunde, Giessen, Hesse (139, 140) ; Physikalisch-Ökonomische Gesellschaft, Königsberg, Prussia (139) ; Verein für Erdkunde, Metz, Lorraine (139, 140) ; Istituto di Studi Superiori, Firenze, Italia (140) ; R. Osservatorio dell' Università, Torino, Italia (140) ; Académie des Sciences et Belles-lettres, Angers, France (139) ; Société Historique du Cher, Bourges, France (139) ; Société des Sciences Naturelles et Archéologiques de la Creuse, Guéret, France (139) ; Prof. León de Rosny, Paris, France (139) ; Mr. Samuel Timmins, Arley, Coventry, England (141) ; Bath

and West and Southern Counties Society, Bath, England (140, 141); Royal Meteorological Society (141), Victoria Institute (141), Linnean Society (141), Royal Astronomical Society (141, and *Trans.*, xvii, 3, xviii, 1), Prof. William Crookes (141), Mr. C. Juhlin-Dannfelt (141), Dr. W. H. Flower (140), London, England; Literary and Philosophical Society, Geographical Society, Manchester, England (141); Royal Observatory, Edinburgh, Scotland (141, and *Trans.*, xvii, 3, xviii, 1); Massachusetts Agricultural College, Amherst (141), Dr. Justin Winsor, Cambridge, Mass. (137-140); Prof. James Hall, Albany, N. Y. (141); American Geographical Society, Prof. Isaac H. Hall, New York (137-140); Prof. C. W. Shields, Princeton, N. J. (141); Wyoming Historical and Geological Society, Wilkesbarre, Pa. (141); State Library of Pennsylvania, Harrisburg, Pa. (*Trans.*, xvii, 3, xviii, 1); Mercantile Library (141), Prof. E. D. Cope (141), Mr. E. T. D'Inwilliers (137-140), Mr. G. de B. Keim (141), Prof. Albert H. Smyth (141), Prof. George Stuart (135, 141), Philadelphia; Prof. James E. Rhoads, Bryn Mawr (137-141); Agricultural Experiment Station, Newark, Del. (139, 140); U. S. Naval Institute, Annapolis, Md. (141); Maryland Institute, Enoch Pratt Free Library, Baltimore, Md. (141); Mr. T. L. Patterson, Cumberland, Md. (141); Smithsonian Institution (544 packages), Bureau of Ethnology, Surgeon-General's Office, U. S. Weather Bureau (*Trans.*, xvii, 3, xviii, 1), Anthropological Society, U. S. Coast and Geodetic Survey, U. S. Geological Survey, Col. Garrick Mallery, Rt. Rev. John J. Keane, Profs. S. F. Emmons, Charles A. Schott, Drs. J. S. Billings, Albert S. Gatschet, W. J. Hoffmann, Mr. W. B. Taylor, Washington, D.C. (141); University of Virginia, Leander McCormick Observatory, Charlottesville, Va. (141); U. S. Artillery, Fort Monroe, Va. (141); Prof. J. W. Mallet, University of Virginia, Va. (141); N. C. Experiment Station, Raleigh (141); Canebrake Experiment Station, Uniontown, Ala. (141); University of Alabama, University P. O. (141); State Experiment Station, Baton Rouge, La. (141); Academy of Sciences, Austin, Texas (141); Society of Natural History, Prof. T. H.

Norton, Cincinnati, Ohio (141); Oberlin College, Oberlin, O. (141); Agricultural Experiment Station, Knoxville, Tenn. (141); Purdue Experiment Station, LaFayette, Ind. (141); State Agricultural College, Michigan (141); Academy of Natural Sciences, Davenport, Ia. (141); Washburn College, Topeka, Kans. (141); State Historical Society, Madison, Wis. (141); Colorado Scientific Society, Denver (141); State Agricultural College, Fort Collins, Colo. (137, 139, 140, 141); Academy of Science, Tacoma, Wash. (141); Experiment Station, Lincoln, Neb. (141); University of California, Prof. Joseph LeConte, Berkeley, Cal. (141); Prof. J. C. Branner, Palo Alto, Cal. (141); Prof. Daniel Kirkwood, Riverside, Cal. (141); Prof. George Davidson, San Francisco, Cal. (141); Observatorio Astronomico de Tacubaya, Mexico (141); Bishop Crescencio Carrillo, Merida, Yucatan, Mex. (141).

Accessions to the Library were reported from the K. K. Militär-Geographische Institut, Vienna, Austria; Naturforschende Gesellschaft, Bamberg, Bavaria; K. P. Meteorologische Institut, Berlin, Prussia; Verein für Erdkunde, Cassel, Prussia; Naturforschende Gesellschaft, Emden, Prussia; Oberhessische Gesellschaft für Natur- und Heilkunde, Giessen, Hesse; Geographische Gesellschaft, Hanover, Prussia; Physikalisch-Ökonomische Gesellschaft, Königsberg, Prussia; Verein für Kunst und Alterthum, Ulm, Würtemberg; Société des Sciences Physiques et Naturelles, Bordeaux, France; Académie N. des Sciences, etc., Caen, France; Société de l'histoire de France, Prof. Paul Topinard, Paris, France; Société d'Agriculture, Lyons, France; Instituto y Observatorio de Marina, San Fernando, Spain; Société de Géographie, Lisbon, Portugal; Rousdon Observatory, Devon, England; Department of Public Works and Mining, Halifax, N. S.; Natural History Society, Montreal, Canada; Royal Society of Canada, Ottawa; Massachusetts Institute of Technology, Boston, Mass.; Scientific Alliance, Prof. J. A. Allen, New York, N. Y.; Mr. Henry Phillips, Jr., Philadelphia; Smithsonian Institution, Anthropological Society, Dr. Elliott Coues, Washington, D. C.; Georgia Historical Society, Savannah; Public Library, St.

Louis, Mo.; Michigan Mining School, Lansing; University of Wisconsin, Madison; Mr. Alton H. Thompson, Topeka, Kans.; Nebraska State Historical Society, Lincoln; Colorado Scientific Society, Denver; Agricultural Experiment Stations, Kingston, R. I., Madison, Wis.

A photograph for the Society's album was received from Mr. Robert P. Field, Philadelphia.

A circular from the Friesch Genootschap voor Geschied-, Ondheid en Taalkunde, Leeuwarden, Friesland, announcing the death of three of its members.

The Secretaries reported that the paper by Prof. Gentry was undesirable for publication, and it was ordered to be returned to its writer.

Dr. Ruschenberger read an obituary notice of the late William Barton Rogers.

Prof. W. B. Scott, of Princeton, N. J., presented a paper for the Transactions entitled, "On the Mammalian Fauna from the Deep River Beds of Montana," of which he gave an oral synopsis.

On motion, the President was authorized to appoint a Committee of three members to examine and report on same.*

Dr. Brinton read a paper on "The Central American Native Calendar."

In answer to a query by Dr. Morris, Dr. Brinton made some remarks on the meaning of the Mexican Calendar.

Pending nominations Nos. 1260, 1261, 1262, 1263 and 1264 were read.

At the call of deferred business, the motion of Mr. Williams, offered at the last meeting, was taken up and considered. The motion was as follows:

"Resolved, That a Committee of five members be appointed to consider a plan for preparing a Coöperative Index of all Transactions."

The subject was discussed by Messrs. Smyth, Brinton, Cope, Prime, Phillips, Morris and others, and was explained by Mr. Williams.

* Dr. Cope, Dr. Ryder and Mr. Lyman were subsequently appointed as such Committee.

Dr. Horn moved to amend the resolution so that it should read as follows: "*Resolved*, That a Committee of five members be appointed to consider the expediency of preparing a plan of a Coöperative Index of all Transactions and if expedient to report such a plan to the Society."

Mr. Williams accepted the amendment.

The question was put on the motion as amended and the resolution was carried by a vote of seven ayes to six nays.

And the Society was adjourned by the President.

Stated Meeting, October 20, 1893.

President, Mr. FRALEY, in the Chair.

Dr. James E. Rhoads, of Bryn Mawr, was presented to the Chair and took his seat.

Accessions to the Library were reported from the Government Geologist, Adelaide, Australia; R. Societatis Scientiarum, Upsal, Sweden; Naturwissenschaften Verein des Reg.-Bez. Frankfurt a. O., Prussia; Direzione Generale della Statistica, Rome, Italy; R. Accademia de Scienze, R. Osservatorio Astronomico, Turin, Italy; Union Géographique du Nord de la France, Douai; Société de Géographie, Paris, France; Geological Survey of Canada, Ottawa; Historical and Scientific Society of Manitoba, Winnipeg; Vassar Brothers' Institute, Poughkeepsie, N. Y.; Ferry Co., Hoboken, N. J.; Mr. Henry Phillips, Jr., Philadelphia; Board of Public Charities, etc., Harrisburg, Pa.; Surgeon-General's Office, Bureau of American Republics, Dr. Albert S. Gatschet, Washington, D. C.; Public Library, Cincinnati, O.; Iowa Geological Survey, Des Moines; Department de Fomento, Caracas, Venezuela.

Letters of envoy were received from the Société Royale des